

What Is Claimed Is:

1. A polypropylene resin hollow molded foam article comprising a polypropylene resin foam layer, formed by placing 5 a softened cylindrical foam in a metal mold, wherein the melt tension at 230°C of the polypropylene resin that forms said foam layer is at least 10 mN and less than 49 mN, and the apparent density of said foam layer is no more than 0.3 g/cm³.

10 2. The polypropylene resin hollow molded foam article according to Claim 1, having a resin layer on the outside and/or the inside of the foam layer.

15 3. The polypropylene resin hollow molded foam article according to Claim 1 or 2, wherein the hollow molded foam is molded by blowing a gas into the interior of a cylindrical foam.

20 4. A process for the production of a polypropylene resin hollow molded foam article, in which a cylindrical foam having a foam layer is formed by extruding from a die a 25 foamable molten resin comprising a base resin containing a foaming agent, and then placing said cylindrical foam in a metal mold while in a softened state, wherein the base resin is one selected from among the following (i), (ii), (iii), and (iv):

(i) a resin composed of at least 20 wt% and less than 70 wt% (a) polypropylene resin with a melt tension of at least 98 mN and a melt flow rate of 0.5 to 15 g/10 minutes and over

30 wt% and no more than 80 wt% (b) polypropylene resin with a melt tension of less than 30 mN (excluding 0) and a melt flow rate of 2 to 30 g/10 minutes (the combined amount of (a) and (b) being 100 wt%);

5 (ii) a resin composed of 30 to 70 wt% (c) polypropylene resin with a melt tension of at least 30 mN and less than 98 mN and a melt flow rate of 2 to 15 g/10 minutes and 30 to 70 wt% (b) polypropylene resin with a melt tension of less than 30 mN (excluding 0) and a melt flow rate of 2 to 30 g/10 minutes (the combined amount of (c) and (b) being 100 wt%);

10 (iii) a resin composed of at least 20 wt% and less than 70 wt% (a) polypropylene resin with a melt tension of at least 98 mN and a melt flow rate of 0.5 to 15 g/10 minutes and over 30 wt% and no more than 80 wt% (c) polypropylene resin with a melt tension of at least 30 mN and less than 98 mN and a melt flow rate of 2 to 15 g/10 minutes (the combined amount of (a) and (c) being 100 wt%);

15 (iv) a resin composed of (a) a polypropylene resin with a melt tension of at least 98 mN and a melt flow rate of 0.5 to 15 g/10 minutes, (b) a polypropylene resin with a melt tension of less than 30 mN (excluding 0) and a melt flow rate of 2 to 30 g/10 minutes, and (c) a polypropylene resin with a melt tension of at least 30 mN and less than 98 mN and a melt flow rate of 2 to 15 g/10 minutes, with (a) accounting for 5 to 65 wt%, (b) for 30 to 78 wt%, and (c) for 5 to 65 wt% (with the combined amount of (a), (b), and (c) being 100 wt%), and said resin having a composition within the bounds of a quadrangle ABCD (including on the lines of the quadrangle) drawn by connecting with straight lines the four points A (17, 78, 5),

B (5, 72, 23), C (5, 30, 65), and D (65, 30, 5) which are component coordinates (x, y, z) where the polypropylene resin (a) component is given as x wt%, the polypropylene resin (b) component is given as y wt%, and the polypropylene resin (c) component is given as z wt% in a triangular component graph in which the upper vertex of a regular triangle is marked as 100 wt% polypropylene resin (a), the lower left vertex as 100 wt% polypropylene resin (b), and the lower right vertex as 100 wt% polypropylene resin (c).

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5. The process for the production of a polypropylene resin hollow molded foam article according to Claim 4, wherein the cylindrical foam is a multilayer cylindrical foam having a resin layer on the outside and/or inside of the foam layer, 15 obtained by co-extruding a foamable molten resin containing a foaming agent, and a non-foamable molten resin containing no foaming agent.

20 6. The process for the production of a polypropylene resin hollow molded foam article according to Claim 4 or 5, wherein the hollow molded foam is obtained by blowing a gas into the interior of a cylindrical foam placed in a metal mold.

25 7. The process for the production of a polypropylene resin hollow molded foam article according to any of Claims 4 to 6, wherein the foaming agent is a physical foaming agent containing carbon dioxide.